

OZECHOSLOVAKIA

ZOBACOVA, A.; JARY, J.

MonoSaccharide Laboratory, Technical College of Chemistry  
(Laboratorium für Monosaccharide, Technische Hochschule für  
Chemie), Prague - (for both)

Prague, Collection of Czechoslovak Chemical Communications,  
No 5, May 1966, pp 2282-2284.

"Aminosugars. Part 9: Synthesis of derivatives of 3,6-diamino-  
3,6-dideoxy-D-idose."

ZOBOV, Ye.V.; SHCHELKUNOVA, M.S.; BABANOVA, Zh.I.; CHAPURIN, V.I.; SHEMELEVA, V.A.;  
DYUL'GER, T.B.; GINKU, A.I.

Anticorrosive coatings of the internal surfaces of tanks used for the  
storage and processing of wine and juices; preliminary report. Trudy  
MNIIPP 2:43-55 '62. (MIA 16:4)

(Wine and wine making—Equipment and supplies)  
(Corrosion and anticorrosives)

ZOBOV, Ye. V.; SHCHELKUNOVA, M. S.; Prinsipala uchastiye: BABANOVA,  
Zh. I., laborant

Use of stilbazole in the photocolometric determining of  
aluminum in wine and juices. Trudy MNIIPP 1:137-140 '61.  
(MIRA 16:1)

(Aluminum--Analysis) (Grape juice)  
(Wine)

SHMELEVA, V.A.; SHCHELKUNOVA, M.S.; ZOBOV, Ye.V.

Aluminum in the wines of Moldavia. Trudy VNIIPP 2:37-42 '62.

(MIRA 1644)

(Moldavia--Wine and wine making) (Aluminum)

DYUL'GER, T.B.; ZOBOV, Ye.V.

New type of linings for "Crown-Cork" capping of bottles containing fruit  
and berry juice. Trudy MWIIPP 2:96-101 '62. (MIRA 16:4)  
(Bottling--Equipment and supplies)

SHMELEVA, V.A.; SHEKELKUNOVA, M.S.; ZOBOV, Ye. V.

Aluminum in the wines of Moldavia. Trudy MNIIPP 2:37-42 '62.  
(MIRA 16:4)  
(Moldavia--Wine and wine making) (Aluminum)

SHMELEVA, V.A.; ZOBOV, Ye.V.; SHCHELKUNOVA, M.S.; Prinsipala uchastiye:  
MEL'NIKOVA, S.N.

Using the electrophoresis method for determining the washing  
away of epoxy resin hardeners from the protective coatings  
of wine vessels. Lakokras.mat.i ikh prim. no.5:50-52 '62.

(MIRA 16:1)

(Wine—Analysis) (Electrophoresis) (Protective coatings)



ASSOCIATION: Done

ZOSOV, Ye.V.; LYALIKOV, Yu.S.; MUEHAKMEDILAZAROVA, O.H.

Amperometric titration of aldehydes and ketones by 2,4-dinitrophenylhydrazine. Izv. AN Turk. SSR no.4:45-50 '59.

(NIRA 13:8)

1. Turkmenskiy nauchno-issledovatel'skiy universitet im. A.M. Gor'kogo.

(Hydrazine)

(Conductometric analysis)

TSEKHANSKIY, R.S.; ZOBOVA, N.N.; USHENINA, V.F.

Mechanism of the effect of alkaline sulfur solutions on nitro derivatives of toluene and diphenylmethane. *Izv.vys.ucheb.zav.; khim.i khim.tekh.* 4 no 6:985-987 '61. (MIRA 1543)

1. Chuvashskiy pedagogicheskiy institut imeni Yakovleva, kafedra khimii.  
(Alkali metal sulfides) (Toluene) (Methane)

SMOLYANINOV, S.I.; POPOV, D.D.; ZOBVOYEV, D.D.

Apparatus for determining aniline points in dark petroleum  
oils. Zav.lab. 23 no.7:873 '57. (MLRA 10:8)

1. Tomskiy politekhnicheskij institut.  
(Petroleum products--Testing)

AUTHORS: Smol'yaninov, S. I., Popov, D. D., 32-7-38/49  
Zobvoyev, D. D.

TITLE: An Apparatus for the Determination of the Aniline Sources of Dark Mineral Oil Products (Pribor dlya opredeleniya anilinovykh toчек temnykh nefteproduktov).

PERIODICAL: Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 7, pp. 873-873 (USSR)

ABSTRACT: The apparatus consists of an electric pocket torch, a test tube with pressed-in bottom into which a bulb is fitted, the "wire mixer", and a thermometer. 3 ml aniline and a mineral oil product are introduced into the tube. The moment of complete dissolution is controlled by interior illumination. If the solution becomes dull, the filament of the bulb is invisible. By means of this apparatus it is possible to determine aniline sources. There is 1 figure.

ASSOCIATION: Polytechnic Institute of Tomsk (Tomskiy politekhnicheskii institut).

AVAILABLE: Library of Congress

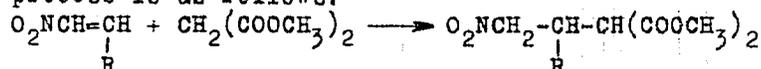
Card 1/1

AUTHORS: Zobocheva, M. M., Perekalin, V. V. SOV/156-58-4-32/49

TITLE: The Interaction of Nitro-Olefins With Dimethyl Malonic Ester  
(Vzaimodeystviye nitroolefinov s malonovodimetilovym efirov)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Khimiya i khimicheskaya  
tekhnologiya, 1958, Nr 4, pp 740-742 (USSR)

ABSTRACT: A detailed investigation of the interaction of the nitro-olefins  
with dimethyl malonic ester was carried out. The reaction  
process is as follows:



The equimolar quantity of nitro-olefin in dry methanol solution is added to the solution of dimethyl malonic ester in dry alcohol at a temperature below 20°C and by intensive intermixing. After 30 minutes of intermixing of the components, the reaction mixture is acidified by acetic acid under addition of finely disperse ice. The eliminated condensation products are filtered off or extracted by ether, if liquid products are formed. The products are purified by crystallization or distillation in vacuum. The synthesized products were chemically

Card 1/2

The Interaction of Nitro-Olefins With Dimethyl Malonic Ester

SOV/156-58-4-32/49

analyzed and the values are given in table 2.  
There are 2 tables and 5 Soviet references.

ASSOCIATION: Kafedra organicheskoy khimii Leningradskogo gosudarstvennogo pedagogicheskogo instituta im. A. I. Gertsena (Chair of Organic Chemistry at the Leningrad State Pedagogic Institute imeni A. I. Gertsen)

SUBMITTED: June 16, 1958

Card 2/2

CETNAROWICZ, H.; CZECHOWSKA, Z.; KOPEC, M.; ZOBOREZYCKI, J.

Cystic disease of renal pyramids. Polski przegl. radiol. 22 no.4:  
233-240 July-Aug 58.

1. Z Instytutu Hematologii Dyrektor: doc. dr. med. A. Trojanowski.  
(KIDNEYS, cysts:  
cystic dis. of renal pyramids, case report (Pol))

NIKIFOROVA, V.N.; TEPLOVA, R.V.; ZOBOVA, R.G.; LYADOVA, G.A.

[Chemical and physical characteristics of "Iris" toffee  
and hard candy filling] Khimicheskie i fizicheskie kha-  
rakteristiki irisa i nachinok karameli. Moskva, TSentr.  
in-t nauchno-tekhn. informatsii pishchevoi promyshl.,  
1964. 26 p. (MIRA 18:4)

ZOBS, V.Yu.; FEDOROV, V.V.

Effect of the water-cement ratio on the permeability of cement stone at high pressures and temperatures. Izv. vyz. ucheb. zav. neft' i gaz 8 no.6:35-37 '65. (MIRA 18:7)

1. Groznenskiy neftyanoy institut.

ZOBS, V.Yu.

Method for determining the permeability of hardening plugging  
muds at high pressures and temperatures. Bureau no. 7413-17 '68

(MIRA 18:12)

1. Groznenskiy neftyanoy nauchno-issledovatel'skiy institut.

MACHINSKIY, Ye.K.; ZOBIS, Yu.Yu.

Light cement grouting for deep and super-deep wells with  
bottom temperatures ranging from 90-200° C. Neft. khon. 41  
no.3:21-25 Mr '63.

(MIRA 17:11)

ZOBUNDZIJA, L.

The port of Rijeka. Medun transp 9 no.5:344-345 My '63.

ZOBUNDZIJA, L.

Overseas transport of raw materials. Medun transp 9 no.1:  
22-25 Ja '63.

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and Their Applications. Chemical and Technological Aspects of the Nuclear Industry. H

Abs Jour : Ref Zhur-Khimiya, No 6, 1959, 19977

Author : Beranek, Jiri; Pulkrab, Antonin; Zoch, Oldrich

Inst : -

Title : Production of Radioactive Isotopes in Nuclear Reactors.

Orig Pub : Jaderna energie, 1958, 4, No 3, 216-220

Abstract : No abstract.

Card : 1/1

H-18

4064, 0.

**"APPROVED FOR RELEASE: 03/15/2001**

**CIA-RDP86-00513R002065320016-6**

**APPROVED FOR RELEASE: 03/15/2001**

**CIA-RDP86-00513R002065320016-6"**

MALKOV, M.P.; ZELDOVIC, A.G. [Zel'dovich, A.G.]; FRADKOV, A.B.; DANILOV,  
I.B.; ZOCH, O. [translator]

Industrial separation of deuterium by low-temperature distillation.  
Jaderna energie 4 no.11:344-351 N '58.

ZOCH, O.

Use of nuclear reactors for chemical production. Jaderna  
energic 6 no.11:364 N '60.

ZOCH, Oldrich; MALASEK, Eduard

Organization of the central collection of waste from the  
Czechoslovak radioisotope laboratories. Jaderna energie  
9 no.11:352-355 '63.

1. Sekretariat Komise pro atomovoi energii (for Zoch)
2. Ministerstvo chemickeho prumysly (for Malasek).

Z/009/60/000/03/012/028  
E142/E235

AUTHORS: Neumann, L and Žoch, O

19

TITLE: All-State Conference on Radiation Chemistry and the  
Uses of Radiation in the Chemical Industry

PERIODICAL: Chemický průmysl, 1960, Nr 3, p 146

ABSTRACT: Komise pro jadernou techniku - odborná skupina jaderné chemie ČSVTS (Committee for Nuclear Technique - Group for Nuclear Chemistry of the ČSVTS) and the Ministersvo chemického průmyslu (Ministry of Chemical Industry) in Gottwaldov convened the above conference in November 1959. The possibility of utilising radiation chemistry in the chemical industry was discussed, as well as recent developments in this branch. The conference was opened by Engineer J. Forman (Ministry for Chemical Industry) who gave a short review on the importance of radiation chemistry in the development of the chemical industry. The following lectures were read: Engineer J. Bednář (Vojenská akademie A. Zapotockého, Brno; Military Academy of A. Zapotocky, Brno) "Basic Research on Radiation Chemistry in Czechoslovakia"; Doctor J. Kučera (Ústav jaderného výzkumu CSAV; Institute for Nuclear Research of the Czechoslovak Academy of Sciences, Prague)

Card 1/3

Z/009/60/000/03/012/028  
E142/E235

All-State Conference on Radiation Chemistry and the Uses of  
Radiation in the Chemical Industry

"Possible Applications of Radiation in Industry";  
Engineer E. Plandera (Ústav pro výzkum, výrobu a využití  
radioisotopů; Institute for Research, Production and  
Use of Radio-Isotopes, Prague) "Practical Application  
of Radiation in the Chemical Industry". This speaker  
mainly discussed the use of radiation for polymerisation,  
halogenation, oxidation, cracking and other processes.  
Engineer Simorda (Výzkumný ústav gumárenské a plastikářské  
technologie; Research Institute for Rubber and Plastics  
Technology, Gottwaldov) "Radiation Sources for Techno-  
logical Processes". Engineer Simorda discussed the use of  
nuclear reactors and accelerators as radiation sources  
and described the Soviet reactor IRT. He also mentioned  
the Van de Graaff accelerator, linear high frequency  
accelerators and resonance transformers. Finally he  
described the cobalt source VUGPT, which is used at  
Gottwaldov. Engineer M. Chaloupka (Ústav jaderného  
výzkumu ČSAV; Institute for Nuclear Research of the  
Card 2/3 Czechoslovak Academy of Sciences, Prague) described the

Z/009/60/000/03/012/028  
E142/E235

All-State Conference on Radiation Chemistry and the Uses of  
Radiation in the Chemical Industry

construction of irradiation units; he dealt mainly with the use of isotopes and with design principles. Engineer M. Krejčík (Výzkumný ústav gumárenské a plastikářské technologie; Research Institute for Rubber and Plastics Technology, Gottwaldov) read a paper on "Radiation Vulcanisation of Rubber". M. Možíšek (Výzkumný ústav gumárenské a plastikářské technologie; Research Institute for Rubber and Plastics Technology, Gottwaldov) "Radiation Chemistry of Macromolecular Compounds". The speaker reviewed briefly the irradiation of polymer solutions, radiation polymerisation and possible industrial applications; he concluded his paper with a short description of the work carried out at the VUGPT. The last lecture was read by Engineer J. Ullrych (Moravské chemické závody, n.p. Ostrava; Moravian Chemical Works, n.p. Ostrava) and dealt with the "Radiation Fixation of Nitrogen".

Card 3/3

Z/011/62/019/004/003/008  
E075/E335

AUTHOR: Zoch, O.

TITLE: Moderators in nuclear engineering

PERIODICAL: Chemie a chemická technologie; Přehled technické a hospodářské literatury, v. 19, no. 4, 1962, 155, abstract Ch 62-2119 (Symposium of the First All-State Conference on Nuclear Engineering, January 28-30, 1959, Part II, 327 - 348)

TEXT: The importance, application and manufacture of moderator materials in nuclear engineering and progress in research and manufacture of materials. Requirements to be met by moderator materials and evaluation of moderators from the point of view of using them in reactors. Moderators at present in use are dealt with (light hydrogen in the form  $H_2O$ , deuterium in the form of heavy water, beryllium usually as  $BeO$ , carbon as synthetic graphite and carbon with light hydrogen in the form of organic substances). 1 table, 36 references.

Abstracter's note: this is a complete translation.  
Card 1/1

Z/009/00/000/07/014/046  
E075/E555

AUTHOR: Zoch, O.

TITLE: Meeting on the Results of Work of Some Graduates of the  
Chair of Nuclear Fuels at the VŠChT, Prague

PERIODICAL: Chemický průmysl, 1960, Nr 7, p 366

ABSTRACT: In April, 1960, the Commission for Nuclear Engineering arranged a meeting on outstanding results of graduates specialising in nuclear-fuel technology. The meeting was opened and presided over by Engineer Leo Neumann, "Assistant" of the Chair of Nuclear-fuel Technology, VŠChT. Karel Klimeš and Rudolf Malý dealt with influencing the speed of decomposition of  $U_3O_8$  in sulphuric acid at pH = 1 redox potential of the solution and in the presence of foreign ions. Eva Holáková reported on the formation of suspensions of sodium diuranate. Ludovít Tomík dealt with separation of uranium from sulphur lyes by ion exchangers using the "basket" method. Anton Beňadik dealt with the "Study of the influence of operating conditions on the efficiency of laboratory Card1/2 mixers - precipitators ("of the interaol type") - 131 ✓

Z/009/60/000/07/014/046

8073/8335

Meeting on the Results of Work of Some Graduates of the Chair of Nuclear Fuels at the VŠChT, Prague

extracting uranium by tributyl phosphate.  
Miroslav Matucha and Jaroslav Rožička dealt with the study of preparation of uranium fluoride and of compact metallic uranium in gram quantities.  
Karel Bernatzik dealt with the study of extraction of praseodymium and neodymium tributyl phosphate.  
The papers were followed by a lively discussion which showed that the Chair has devoted a great deal of attention to training engineers in the field of nuclear fuels.

ASSOCIATION: MChP

Card 2/2

Z/009/61/000/002/004/008  
E112/E453

AUTHOR: Žoch, O.

TITLE: Report on 1st Czechoslovak Conference on Low  
Temperatures

PERIODICAL: Chemický průmysl, 1961, No. 2, pp. 89-90

TEXT: The Conference was held in Prague, September 1960.  
It was organized jointly by Ústav jaderného výzkumu, CSAV  
(Institute for Nuclear Research, Czechoslovak Academy of Sciences)  
and Komise pro jadernou techniku při Československé vědecko-  
technické společnosti (Commission for Nuclear Technology of  
the Czechoslovak Society for Science and Technology).

The conference was attended by 80 delegates and 20 papers were  
read. The subject matter ranged from: 1. Application of low  
temperatures in the field of fundamental physics,  
2. Application in technology and industry. 3. Present position  
of liquification of helium and hydrogen in Czechoslovakia, ✓  
4. Laboratory techniques, using low temperatures, 5. Description of  
some low temperature apparatus and equipment used in Czechoslovakia.  
Ad 1. The main trends of research are listed, such as study of  
Card 1/3

Report on 1st Czechoslovak ...

Z/009/61/000/002/004/008  
E112/E453

V

superfine structures of optical spectra, study of nuclear fluorescence, oriented nuclei, adiabatic demagnetization. A laboratory magnet of 80 kW, used for adiabatic demagnetization was described. Low temperature helped in the investigation of physical properties of semiconductors and work, undertaken by the Institute of Technical Physics, is reported to have produced interesting results. The Institute for Physics at the Academy of Sciences is investigating antiferromagnetic compounds at low temperatures, which it is hoped will be a contribution towards the theory of magnetism. Another paper dealt with paramagnetic resonance at low temperatures and with the measuring of temperatures below 20°K. Ad 2. Some of the papers under this heading are specifically mentioned, such as: J. Veleba, Stalin Works "Problems of Modern Methods of Oxygen Production"; J. Růžička, Engineer, Institute for Nuclear Research, Czechoslovak Academy of Sciences "Use of Low Temperatures for the Production of Heavy Water"; L. Vinš, Engineer, Závod Vítězného února (Works of Victorius February), Hradec Králová "Effect of Technology of Separation of Gas-Mixtures on the Use of Cooling Cycles"; O. Scholz, Engineer, Státní výzkumní Ústav

Card 2/3

Report on 1st Czechoslovak ...

Z/009/61/000/002/004/008  
E112/E453

materialu a technologie (State Research Institute for Raw  
Materials and Technology) Prague "Evaluation of Mechanical  
Properties of Materials of Construction at Low Temperatures",  
Vl. Smolik, Engineer "Constructions and Raw-Materials for the  
Separation of Gases at Low Temperatures".  
Ad 3. An apparatus, used for the liquification of helium and  
hydrogen at the Institute for Nuclear Research of the Academy of  
Sciences, was described, with an output of 10 litres per hour.  
A second apparatus, produced by Linde of West Germany, is installed  
at the Institute of Technical Physics, its capacity is 3.1 litres  
per hour and a third equipment producing 4 litres of liquid helium  
per hour operates at the Physics Institute.

ASSOCIATION: MCHP

Card 3/3

BERANEK, Jiri; PULKRAB, Antonin; ZOCH, Oldrich

Production of radioisotopes in nuclear reactors.  
Jaderna energie 4 no.8:216-220 Ag '58.

1. Chemoprojekt, Praha (for Beranek). 2. Vyzkumny ustav  
radiologicky, Praha (for Pulkrab). 3. Ministerstvo  
chemickeho prumyslu, Praha (for Zoch).

ZOCH, Oldrich; MALASEK, Eduard

Permanent disposal of low radioactive waste in Czechoslovakia.  
Jaderna energie 8 no.7:231-234 JI '62.

1. Sekretariat Komise pro atomovou energii (for Zoch).
2. Ministerstvo chemického prumyslu (for Malasek).

215140

098999  
Z/038/62/000/007/003/006  
D409/D301

AUTHORS:

Žoch, Oldřich, and Maláček, Eduard

TITLE:

Method of permanent disposal of low-radioactive waste, used in the CSSR

PERIODICAL:

Jaderná energie, no. 7, 1962, 231 - 234

TEXT:

The article describes problems of permanent disposal of low-activity waste and cites experience gained in the selection, construction, and operation of the first Czechoslovak graveyard. After thorough geological research, the galleries of an abandoned limestone pit, located at a distance of 100 m from a small river and 5 m above its level, were found -- a suitable site for the construction of a radioactive graveyard. The installation consists now of a 30 m long access tunnel with a cross-section 2 x 2 m, and the waste storage room proper, measuring 5 x 8 x 3 m. Neighboring galleries were sealed with 1-m thick concrete walls, and the entrance and exit of the access tunnel are provided with steel doors. Both tunnel and storage room have floors sloping into a collection pit and are equipped with vents for natural ventila-

Card 1/2

X

X

CZECHOSLOVAKIA/Nuclear Physics - Nuclear Technology and Power.

Abs Jour : Ref Zhur - Fizika, No 6, 1959, 12629

Author : Beranek, Jiri; Pulkrab, Antonin; Zoch, Oldrich

Inst : -

Title : Production of Radioactive Isotopes in Nuclear Reactors.

Orig Pub : Jaderna Energie, 1958, 4, No 8, 216-220

Abstract : Survey article.

Card 1/1

ZOCH, Oldrich; CERNY, Miroslav

Main trends and goals of the development of fertilizer  
industry in the Soviet Union up to 1980. Chem prum  
12 no.5:225-227 My '62.

1. Ministerstvo chemickeho prumyslu.

L. 09291-01

ACC NR: AP7002327

SOURCE CODE: CZ/0138/65/000/005/0166/0171

AUTHOR: Malasek, Eduard--Malashek, Ye.; Zoch, Oldrich--Zhokh, O. 17

ORG: Secretariat of the Commission of Atomic Energy (Sekretariat Komise pro atomovou energii)

TITLE: Economic aspects of industrial production of heavy water / 1

SOURCE: Jaderna energie, no. 5, 1966, 166-171

TOPIC TAGS: water cooled reactor, heavy water

ABSTRACT: The Czechoslovakian nuclear power program is based on heavy water reactors, and their development places high demands on the supply of heavy water. Studies showed that the price of heavy water, to a significant degree, is dependent on the price of electrical energy produced in nuclear power plants. A brief evaluation is given of the commercial methods for the production of heavy water. This article was presented by E. Stehlik. Orig. art. has: 2 figures and 6 tables. [NA]

SUB CODE: 18 / SUEM DATE: 24Sep65 / ORIG REF: 013 / OTH REF: 012

Card 1/1

UDC: 546.212.02

0925 0605

S.A.  
Sect. B

*Telecommunications*  
*Series - Abstracts*

621.192.3  
1223. The calculation of L-type 4-terminal electrical networks. W. Zaczynski and R. Nowak. *Przeł. Telekomun., No. 6, 163-73 (June, 1951) (in Polish)*.  
Formulas and graphs are derived for the design of cable attenuation equalizers. A. SZRAMECKI

ZOCHOWSKI, Wacław

Development of the theory of dynamic transducers. Rozpr elektro-  
tech 9 no.3:373-394 '63.

1. Zakład Badan i Studiów Teletechniki, Warszawa,

ZOCHOWSKI, Wacław, mgr inż.

Substituting analogous electric systems for mechanical, acoustical,  
and mechano-acoustical systems. Prace Inst teletechn 3 no.2:59-121  
'59.

ZOGHOWSKI, W.

1954

Zochowski, W. Crosstalk Attenuation in Electrically Long Lines.  
"Prace Instytutu Elektrotechniki i Elektroniki Przemysłowej" (Pracownicy  
Lacyfny No. 4, 1953, pp. 112-126, 13 figs.

Polish Technical Abst.  
No. 1 1954  
Transport and Communication

The author deals with the problem of determining crosstalk attenuation in long lines. Formulas for crosstalk attenuation are derived for one and underground cable lines. The author considers, with regard to crosstalk, individual cases of infinitesimal attenuation in the entire length of the line, a finite number of composite sections, and also other various sections of parallel cable sections and lines by the means of the input and output values in the composite sections.

Handwritten notes: "11/10/54" and "8-21-54"

ZOCHOWSKI, W.

ZOCHOWSKI, W. Building cable lines. (To be contd.) p. 4. Vol. 25, no. 1,  
Jan. 1956. WIADOMOSCI TELEKOMUNIKACYJNE. Warszawa, Poland.

SOURCE: East European Accessions List (EEAL) LC VOL. 5, No. 6, June 1956

ZODELAV, Z.L.

Sleep therapy in certain acute, suppurative inflammatory processes.  
Vest. khir. 71 no.2:72 1951. (GML 20:8)

8(6), 14(6)

SOV/98-59-10-2/20

**AUTHORS:**

Shtayerman, Yu. Ya., Doctor of Technical Sciences, Professor,  
Zodelava, G.L., Candidate of Technical Sciences, and Gavrish, Yu.  
Ye., ~~Engineer~~

**TITLE:**

Wear-Resistant Vibroconcrete Sheeting in the Construction of the  
Tsageri Dam (Head Installation) of the Ladzhanuri GES

**PERIODICAL:**

Gidrotekhnicheskoye stroitel'stvo, 1959, Nr. 10, pp 36-40 (USSR)

**ABSTRACT:**

Research carried out by the TNISGEI (Tiflis Scientific Research  
Institute of Construction and Power Engineering) showed the possi-  
bility of replacing stone sheeting used in hdroelectric construc-  
tion work by concrete, which should be vibrotreated and contain a  
minimum amount of binding agent in addition to a filler which is  
resistant to water erosion. This method was tested in the con-  
struction of the Tsageri dam under the observation of TNISGEI spe-  
cialists. This dam, situated near the village of Orbeli, is part  
of a scheme linking the Tskhenis-Tskhali and Ladzhanuri rivers by  
means of a tunnel. The damping-well illustrated in fig.1, consist-  
ing of a 46 x 70 m sheet and a ridge 2 m high and 3.4 m broad, was

Card 1/4

SOV/98-59-10-2/20

Wear-Resistant Vibroconcrete Sheeting in the Construction of the Tsageri Dam  
(Head Installation) of the Ladzhavri GES

to be covered with a layer of granite; the part near the ridge, however, was divided into sections (Fig.2) and covered instead with a layer of vibroconcrete, as shown in detail in fig.3. The concrete was made up of Sebyakovsky (plasticized, low-temperature) Portland cement, on which 4 tests were carried out by the TsNIPS-2 (Central Scientific Research Institute of Industrial Construction-2) method; the data obtained from these tests is given in the text, and an average activity of 500 kgs/cm<sup>2</sup> was arrived at. The sand was taken from the Black Sea, from the Kelasuri quarry near Sukhumi; the graph of the screening of the sand is shown in fig.4 and the results of a mineralogical analysis carried out by the Gruzinskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta mineral'nogo syr'ya (Georgian Department of the All-Union Scientific Research Institute of Mineral Raw Materials) are given in the text in detail, showing the high quality of the sand (80% quartz). Crushed gravel from the bed of the Tskhenis-Tskhali river was used as the filler, about 60% of it being chippings, and

Card 2/4

SOV/98-59-10-2/20

Wear-Resistant Vibroconcrete Sheeting in the Construction of the Tsageri Dam  
(Head Installation) of the Ladzhanuri GES

the main specifications are given. Water was added to the cement in the proportion of 22%, and the mixture was subjected to vibro-processing by means of Type I-86 vibrators. The quantities of components used were: cement 325 kgs, water 133 kgs, sand 725 kgs, and filler 1,290 kgs, while the volumetric weight of the freshly made concrete was 2.45-2.50 ton/m<sup>3</sup>; settlement, tested by means of an Abrahams cone, amounted to 0-1 cm. Contraction tests were carried out in the central concrete laboratory of the Ladzhanurgesstroy (Ladzhanuri GES Constr. Project) on 20 x 20 x 20 cm test-pieces; average resistance to contraction was 550 kgs/cm<sup>2</sup> over a 28-day period. Figs.5 and 6 illustrate the equipment used for the manufacture of the vibroprocessed concrete, consisting of 750 liter mixer, two I-86 high-frequency vibrators (duration of process 5-6 mins), and a 300 mm pipe down which the processed mixture was poured into a concrete mixer, where the filler and sand were added; the concrete was mixed for 4-5 minutes and then transported by dump truck. The concreting of the blocks in fig.2 was carried

Card 3/4

SOV/98-59-10-2/20

Wear-Resistant Vibroconcrete Sheeting in the Construction of the Tsageri Dam  
(Head Installation) of the Ldzhamuri GES

out in the order 2,6,3,1,5,4,7 in 3 shifts and the surface was then covered with a 5 cm thick layer of water. Flooding of the apron took place 10 days later in order to discharge the flood-flow. The author concludes with the proposal that this system replace the present one as being faster, cheaper and simpler, and suggests that GOST 4799-57 on "Concrete in Hydraulics" be revised to include "Wear-Resistant Concrete in Hydraulics." There are 4 diagrams, 1 graph, 1 table, and 1 photograph.

Card 4/4

ZODELAVA, G. L.

Zodelava, G. L. "Experimental-theoretical investigations of the operation of reinforced-concrete arches and enclosures beyond the limits of flexibility", Investiya Tbilis. nauch.-issled. in-ta sooruzheniy i gidroenergetiki, Vol. II, 1948, p. 99-117.

SO: U-4630, 16 Sept. 53, (Letopis 'Zhurnal 'nykh Statey, No. 23, 1949).

L 3205-66

EWT(d)/EWT(m)/EPE(c) (C) (S) (T) (U) (V) (W) (X) (Y) (Z) (AA) (AB) (AC) (AD) (AE) (AF) (AG) (AH) (AI) (AJ) (AK) (AL) (AM) (AN) (AO) (AP) (AQ) (AR) (AS) (AT) (AU) (AV) (AW) (AX) (AY) (AZ) (BA) (BB) (BC) (BD) (BE) (BF) (BG) (BH) (BI) (BJ) (BK) (BL) (BM) (BN) (BO) (BP) (BQ) (BR) (BS) (BT) (BU) (BV) (BW) (BX) (BY) (BZ) (CA) (CB) (CC) (CD) (CE) (CF) (CG) (CH) (CI) (CJ) (CK) (CL) (CM) (CN) (CO) (CP) (CQ) (CR) (CS) (CT) (CU) (CV) (CW) (CX) (CY) (CZ) (DA) (DB) (DC) (DD) (DE) (DF) (DG) (DH) (DI) (DJ) (DK) (DL) (DM) (DN) (DO) (DP) (DQ) (DR) (DS) (DT) (DU) (DV) (DW) (DX) (DY) (DZ) (EA) (EB) (EC) (ED) (EE) (EF) (EG) (EH) (EI) (EJ) (EK) (EL) (EM) (EN) (EO) (EP) (EQ) (ER) (ES) (ET) (EU) (EV) (EW) (EX) (EY) (EZ) (FA) (FB) (FC) (FD) (FE) (FF) (FG) (FH) (FI) (FJ) (FK) (FL) (FM) (FN) (FO) (FP) (FQ) (FR) (FS) (FT) (FU) (FV) (FW) (FX) (FY) (FZ) (GA) (GB) (GC) (GD) (GE) (GF) (GG) (GH) (GI) (GJ) (GK) (GL) (GM) (GN) (GO) (GP) (GQ) (GR) (GS) (GT) (GU) (GV) (GW) (GX) (GY) (GZ) (HA) (HB) (HC) (HD) (HE) (HF) (HG) (HH) (HI) (HJ) (HK) (HL) (HM) (HN) (HO) (HP) (HQ) (HR) (HS) (HT) (HU) (HV) (HW) (HX) (HY) (HZ) (IA) (IB) (IC) (ID) (IE) (IF) (IG) (IH) (II) (IJ) (IK) (IL) (IM) (IN) (IO) (IP) (IQ) (IR) (IS) (IT) (IU) (IV) (IW) (IX) (IY) (IZ) (JA) (JB) (JC) (JD) (JE) (JF) (JG) (JH) (JI) (JJ) (JK) (JL) (JM) (JN) (JO) (JP) (JQ) (JR) (JS) (JT) (JU) (JV) (JW) (JX) (JY) (JZ) (KA) (KB) (KC) (KD) (KE) (KF) (KG) (KH) (KI) (KJ) (KK) (KL) (KM) (KN) (KO) (KP) (KQ) (KR) (KS) (KT) (KU) (KV) (KW) (KX) (KY) (KZ) (LA) (LB) (LC) (LD) (LE) (LF) (LG) (LH) (LI) (LJ) (LK) (LL) (LM) (LN) (LO) (LP) (LQ) (LR) (LS) (LT) (LU) (LV) (LW) (LX) (LY) (LZ) (MA) (MB) (MC) (MD) (ME) (MF) (MG) (MH) (MI) (MJ) (MK) (ML) (MM) (MN) (MO) (MP) (MQ) (MR) (MS) (MT) (MU) (MV) (MW) (MX) (MY) (MZ) (NA) (NB) (NC) (ND) (NE) (NF) (NG) (NH) (NI) (NJ) (NK) (NL) (NM) (NN) (NO) (NP) (NQ) (NR) (NS) (NT) (NU) (NV) (NW) (NX) (NY) (NZ) (OA) (OB) (OC) (OD) (OE) (OF) (OG) (OH) (OI) (OJ) (OK) (OL) (OM) (ON) (OO) (OP) (OQ) (OR) (OS) (OT) (OU) (OV) (OW) (OX) (OY) (OZ) (PA) (PB) (PC) (PD) (PE) (PF) (PG) (PH) (PI) (PJ) (PK) (PL) (PM) (PN) (PO) (PP) (PQ) (PR) (PS) (PT) (PU) (PV) (PW) (PX) (PY) (PZ) (QA) (QB) (QC) (QD) (QE) (QF) (QG) (QH) (QI) (QJ) (QK) (QL) (QM) (QN) (QO) (QP) (QQ) (QR) (QS) (QT) (QU) (QV) (QW) (QX) (QY) (QZ) (RA) (RB) (RC) (RD) (RE) (RF) (RG) (RH) (RI) (RJ) (RK) (RL) (RM) (RN) (RO) (RP) (RQ) (RR) (RS) (RT) (RU) (RV) (RW) (RX) (RY) (RZ) (SA) (SB) (SC) (SD) (SE) (SF) (SG) (SH) (SI) (SJ) (SK) (SL) (SM) (SN) (SO) (SP) (SQ) (SR) (SS) (ST) (SU) (SV) (SW) (SX) (SY) (SZ) (TA) (TB) (TC) (TD) (TE) (TF) (TG) (TH) (TI) (TJ) (TK) (TL) (TM) (TN) (TO) (TP) (TQ) (TR) (TS) (TT) (TU) (TV) (TW) (TX) (TY) (TZ) (UA) (UB) (UC) (UD) (UE) (UF) (UG) (UH) (UI) (UJ) (UK) (UL) (UM) (UN) (UO) (UP) (UQ) (UR) (US) (UT) (UU) (UV) (UW) (UX) (UY) (UZ) (VA) (VB) (VC) (VD) (VE) (VF) (VG) (VH) (VI) (VJ) (VK) (VL) (VM) (VN) (VO) (VP) (VQ) (VR) (VS) (VT) (VU) (VV) (VW) (VX) (VY) (VZ) (WA) (WB) (WC) (WD) (WE) (WF) (WG) (WH) (WI) (WJ) (WK) (WL) (WM) (WN) (WO) (WP) (WQ) (WR) (WS) (WT) (WU) (WV) (WW) (WX) (WY) (WZ) (XA) (XB) (XC) (XD) (XE) (XF) (XG) (XH) (XI) (XJ) (XK) (XL) (XM) (XN) (XO) (XP) (XQ) (XR) (XS) (XT) (XU) (XV) (XW) (XX) (XY) (XZ) (YA) (YB) (YC) (YD) (YE) (YF) (YG) (YH) (YI) (YJ) (YK) (YL) (YM) (YN) (YO) (YP) (YQ) (YR) (YS) (YT) (YU) (YV) (YW) (YX) (YZ) (ZA) (ZB) (ZC) (ZD) (ZE) (ZF) (ZG) (ZH) (ZI) (ZJ) (ZK) (ZL) (ZM) (ZN) (ZO) (ZP) (ZQ) (ZR) (ZS) (ZT) (ZU) (ZV) (ZW) (ZX) (ZY) (ZZ)

L 3205-66

ACCESSION Nr: AP5011P90

reduction of the deformation rate from  $1500 \cdot 10^{-6}$  to  $1.1 \cdot 10^{-2}$  in  $\text{min}^{-1}$  under the same

Card 2/2

ZODELOVA, Z.L.; KHARNAS, S.SH.; TSUKHEMAN, M.N.

Results in application of sleep therapy in certain inflammatory diseases of hand and fingers. Khirurgia, Moskva No.1:64-69 Jan 51. (CML 20:5)

1. Of the Institute of Surgery imeni A.M.Vishnevskiy (Director-- Prof.A.A.Vishnevskiy) of the Academy of Medical Sciences USSR.

ZODELAVA, Z.I.

Effect of drug-induced sleep on the course of acute suppurative  
inflammatory processes. Trudy AMN SSSR 24 no.2:31-35 '53.  
(MLRA 7:7)

(SLEEP, therapeutic use,  
\*inflamm. with acute suppurations)  
(INFLAMMATION, therapy,  
\*sleep)

ANTELAVA, N.V.; ZODELAVA, Z.L.

Experience with refrigeration anesthesia in amputation of  
extremities. Eksper. khir. i anest. 7 no.5:83-87 S-Q '62.  
(MIRA 17:10)

1. Iz 1-y khirurgicheskoy kafedry Tbilisskogo instituta usover-  
shenstvovaniya vrachey (dir.- prof. G.R. Khundadze).

ZODELAVA, Z. L.

"Therapeutic Sleep in the Treatment of Acute Suppurating Inflammatory Diseases (Carbuncles and Paronychia)." *Ona* Med Sci, Tbilisi State Medical Inst, Tbilisi, 1954. (ML, No 8, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

*Card*

ANTELOVA, N.V.; ZODELOVA, Z.L.

Use of local physical hypothermia in amputations of extremities.  
Trudy Tbil. QIDUV 6:75-80 '62. (MIRA 16:2)  
(HYPOTHERMIA) (AMPUTATIONS OF LEG)

SHOTADZE, D.P.; ZODELAVA, Z.L.

Data on the surgical treatment of cancer of the esophagus and  
the cardial section of the stomach. Trudy Tbil. GIDUV. 6:81-88  
'62. (MIRA 16:2)

(ESOPHAGUS—SURGERY) (STOMACH—SURGERY)  
(CANCER—EXCISION)

ZODIYEV, V. V. Dr. Med. Sci.

Dissertation: "Group X-Ray Examination of Chest Organs as a Method for Revealing Cardio-vascular Diseases." Second Moscow State Medical Inst. imeni I. V. Stalin  
27 Oct 47.

SO: Vechernyaya Moskva, Oct, 1947 (Project #17836)

ZODIYEV, V.V.

[Multi-exposure roentgenkymography of the heart and major vessels  
and its clinical significance] Mnogoshchelevaia rentgenkimografii  
serdtsa i bol'nykh sosudov i ee klinicheskoe znachenie. Moskva, 1953.  
149 p. (MLRA 7:11)

(Diagnosis, Radioscopic) (Cardiovascular system--Radiography)

YAL'TSEV, P.D., professor; KOZLOVA, A.V., professor; ZODIYEV, V.V.,  
professor.

Seventh international congress of roentgenologists and radiologists.  
Vest.rent.i rad. no.1:88-94 Ja-F '54. (MLRA 7:4)  
(Diagnosis, Radioscopic) (Radiotherapy)

ZODIYEV, V.V., prof.

Present status of the problem of function tests in the field of  
roentgenocardiology. Vest. rent. i rad. no.5:52-59 S-0 '54.

(MLRA 7:12)

1. Iz Tsentral'nogo nauchno-issledovatel'skogo instituta  
rentgenologii i radiologii imeni V.M.Molotova (dir. prof. P.D.  
Yal'tsev)

(CARDIOVASCULAR SYSTEM, radiography,)

ZODIYEV, V.V., professor; SKALDIN, P.V.; YEVSTIGHEYEVA, T.P.

Method of portovenography and its diagnostic significance. Vest.  
rent. 1 rad. no.2:58-62 Mr-Ap '55. (MIRA 8:5)

1. Iz rentgenodiagnosticheskogo otdeleniya (zav.---prof. I.A.  
Shekhter) Tsentral'nogo nauchno-issledovatel'skogo rentgenoradio-  
logicheskogo instituta imeni V.M.Molotova (dir. I.G.Lagunova)

VEINS, PORTAL SYSTEM, radiography,  
technic & diag. value)

(ANGIOGRAPHY,  
portal veins, technic & diag. value)

## EXCERPTA MEDICA Sec.14 Vol.11/7 Radiology Jul 57.

1261. ZODIEV V. V. and BELYAEVA V. F. Radiodiagn. Dept. of Roentgenol. and Radiol. Inst., Moscow. \* The problem of recognition of myocardial infarction (Russian text) VESTN. RENTGENOL. RADIOLOG. 1956, 4 (11-17) Tables 3 Illus. 8

150 cases of myocardial infarction were investigated by means of roentgenkymography. In 109 cases ECG and roentgenkymographic results coincided. By means of roentgenkymography the infarcts of the anterolateral wall of the left ventricle are found more often and are defined more easily than those of the posterior wall. The appearances of an infarct depend on its extent, depth and stage of repair. In the stage of formation of scar tissue frequently deformed crenations of varying amplitude are seen. In the stage of consolidation of the scar tissue, when the whole thickness of the myocardial wall has lost its function paradoxical movements of the segment involved are seen (outwards protrusion in systole and invagination in diastole), proving the formation of an aneurysm. On the basis of many years of observation it is stated that normal function is never completely restored in the area of the infarct.

Nevskaya - Moscow

SHISHKIN, V.P., kandidat meditsinskikh nauk; KRAKOVSKIY, E.I., professor;  
ZODIYEV, V.V., professor

Method of splenoportovenography and its diagnostic significance.  
Vest.rent. i rad. 31 no.2:54-57 Mr-Apr '56. (MLRA 9:8)

1. Iz Instituta khirurgii imeni A.V.Vishnevskogo AMN SSSR (dir. chlen-korrespondent AMN SSSR prof. A.A.Vishnevskiy) i Gosudarstvennogo nauchno-issledovatel'skogo instituta rentgenologii i radiologii imeni V.M.Molotova (dir. I.G.Lagunova)

(ANGIOGRAPHY,  
splenoportography (Rus))

ZODIYEV, V.V., professor; BELYAYEVA, V.F.

Detection of myocardial infarct. Vest.rent. i rad. 31 no.4:11-17  
J1-Ag '56. (MLRA 9:10)

1. Iz rentgenodiagnosticheskogo otdela (zav. prof. I.A.Shekhter)  
Gosudarstvennogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo  
instituta imeni V.M.Kolotova (dir. - dotsent I.G.Lagunova)  
(MYOCARDIAL INFARCT, diag.)

ZODIYEV, V.V.

[Diagnosis of cardiovascular diseases by X ray; a manual for  
physicians] Rontgenodiagnostika zabolevanii serdtsa i sudov;  
rukovodstvo dlia vrachei. Moskva, Medgiz, 1957. 291 p. (MLRA 10:7)  
(CARDIOVASCULAR SYSTEM--DISEASES) (X RAYS)

*ZODIYEV, V.V.*  
SHISHKIN, Vasily Petrovich; MAZAYEV, Pavel Nikolayevich; ZODIYEV, V.V.,  
red.; KNAKNIN, M.T., tekhn.red.

[Splenoporthography] Splenoporthografiia. Moskva, Gos. izd-vo med.  
lit-ry, 1957. 30 p. (MIRA 11:3)  
(SPLEEN--RADIOGRAPHY) (PORTAL VEIN--RADIOGRAPHY)

ZODIYEV, V.V.  
ZODIYEV, V.V., prof.; DNOKHOVSKIY, V.V., starshiy nauchnyy sotrudnik;  
ZUBOVSKIY, G.A., nauchnyy sotrudnik

Radiography. Vest.rent. i rad. 32 no.6:14-16 N-D '57. (MIRA 11:3)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo instituta  
rentgenologii i radiologii (dir.-dotsent I.G.Lagunova).

(ISOTOPES

diag. value (Rus)

ZODIYEV, V.V., prof.

Radiokymographic curve of the heart and of the large vessels in  
oblique and lateral positions. Trudy TSentr. nauch.-issl. inst.  
rentg. i rad. 10:91-96 '59. (MIRA 12:9)

(HEART--RADIOGRAPHY)

ZODIYEV, V.V., prof.

Radiographic recognition of atherosclerotic cardiosclerosis.  
Trudy TSentr. nauch.-issl. inst. rentg. i rad. 10:102-106  
'59.

(HEART--RADIOGRAPHY)

(MIRA 12:9)

ZODIYEV, V.V. prof. (Moskva, G-270, 3-ya Frunzenskaya ul., d. 4, kv. 19)

Diagnostic significance of x-ray cardiometry in the present state of development of x-ray cardiology. Vest. rent. i rad. 34 no.1:6-12  
Ja-P '59. (MIRA 12:3)

1. Iz rentgenodiagnositcheskogo otdela (sav. - prof. I.A. Shekhter)  
Nauchno-issledovatel'skogo instituta rentgenologii i radiologii  
Ministerstva zdravookhraneniya RSFSR (dir. - dots. I.G. Lagunova).  
(HEART

x-ray cardiometry, diag. value (Rus))

ZODIYEV, V.V., prof.; KOZLOVA, A.V., prof.; YAKHNICH, I.M., prof.; SAVCHENKO,  
Ye.D., dotsent; SHEKHONIN, V.P., doktor med.nauk

Professor Vladimir Gertsevich Ginzburg; on his 60th birthday.  
Vest.rent. i rad. 34 no.3:89-90 My-Je '59. (MIRA 12:10)  
(GINZBURG, VLADIMIR GERTSEVICH, 1898-)

YAKHNICH, I.M., prof.; ZODIYEV, V.V., prof.; VIKTURINA, V.P., nauchnyy sotrudnik;  
TROITSKIY, E.Ye., nauchnyy sotrudnik

Organization of the work of a research institute in the advanced  
training of physicians. Zdrav. Ros. Feder. 4 no.8:16-18 Ag '60.

(MIRA 13:9)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo rentgeno-radiolo-  
gicheskogo instituta Ministerstva zdoravookhraneniya SSSRS (dir. -  
doktor meditsinskikh nauk I.G. Lugunova).

(MEDICINE--STUDY AND TEACHING)

PETROVSKIY, B.V., prof.; ZODIYEV, V.V., prof.; BABICHEV, S.I., dotsent;  
TESLYA, T.A.

Diagnosis of the localization of commissures in mitral stenosis.  
Terap.arkh. 32 no.8:33-39 Ag '60. (MIRA 13:11)

1. Iz gospital'noy khirurgicheskoy kliniki (dir. - prof. B.V. Petrovskiy) I Moskovskogo ordena Lenina meditsinskogo instituta i iz Gosudarstvennogo nauchno-issledovatel'skogo instituta rentgeno-radiologii Ministerstva zdravookhraneniya RSFSR.  
(MITRAL VALVE--DISEASES)

ZODIYEV, V.V., prof.; DMOKHOVSKIY, V.V., starshiy nauchnyy sotrudnik;  
MASLOV, L.A., inzh.

Radiography using a thulium preparation. Vest. rent. 1 rad. 35  
no. 2:62-67 Mr-Apr '60. (MIRA 14:2)

1. Iz Nauchno-issledovatel'skogo rentgeno-radiologicheskogo  
instituta Ministerstva zdravookhraneniya RSFSR (direktor - doktor  
med.nauk I.G. Lagunova).

(RADIOGRAPHY) (THULIUM)

ZODIYEV, V.V., prof.

Letter regarding Professor Burlachenko's review of Professor  
Zodiev's "X-ray diagnosis of diseases of the heart and blood  
vessels." Vest. rent. i rad. 35 no. 4:79-81 JI. Ag '60.

(MIRA 14:2)

(HEART---DISEASES) (BLOOD VESSELS---DISEASES)  
(DIAGNOSIS, RADIOSCOPIC) (BURLACHENKO)

ZODIYEV, V.V., prof.; YAKHNICH, I.M., prof.; BELYAYEVA, V.F., nauchnyy  
sotrudnik; TESLYA, T.A., nauchnyy sotrudnik

Clinical roentgenological changes in the cardiovascular system  
due to ionizing radiation. Vest. rent. i rad. 35 no. 5:24-29  
My-Je '60. (MIRA 14:2)

1. Iz rentgenodiagnosticheskogo otdela (zav. - prof. I.A.  
Shekhter) Gosudarstvennogo nauchno-issledovatel'skogo rentgeno-  
radiologicheskogo instituta Ministerstva zdравookhraneniya  
RSFSR (direktor - doktor med. nauk I.G. Lagunova).  
(CARDIOVASCULAR SYSTEM) (RADIATION--PHYSIOLOGICAL EFFECT)

ZODIYEV, V.V., prof. (Moskva, G-270, 3-ya Frunzenskaya ul., d.4, kv.19);  
BELYAYEVA, V.F., kand.med.nauk; BUKHMAN, A.I.; RABKIN, I.Kh.

X-ray diagnosis of aortic aneurysms. Vest.rent.i rad. 36 no.3:26-31  
My-Je '61. (MIRA 14:7)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta Ministerstva zdravookhraneniya RSFSR (dir. - prof. I.G.Lagunova.), Gospital'noy khirurgicheskoy kliniki I Moskovskogo ordena Lenina meditsinskogo instituta (zav. kafedroy - dsystvitel'nyy chlen AMN SSSR prof. B.V.Petrovskiy) i Moskovskoy gorodskoy polikliniki No.51 (glavnyy vrach Z.S.Rykhlova).

(AORTIC ANEURYSMS)

ZODIYEV, V.V., prof.; SKALDIN, P.V., doktor med.nauk

"Angiocardiography atlas of congenital heart defects" by R.Kunzler  
and N. Schad. Reviewed by V.V.Zodiev and P.V.Skaldin. Vest. rent.  
i rad. 36 no.5:74-75 S-0 '61; (MIRA 15:1)  
(HEART ABNORMALITIES AND DEFORMITIES)  
(ANGIOGRAPHY) (KUNZLER, R.) (SCHAD, N.)

ZODIYEV, V.V.; SPASSKAYA, P.A.

Röntgenological changes in the joints in collagen diseases.  
Vestn. rent. i rad. 38 no.3:3-8 My-Je '63. (MIRA 17:7)

I. Iz rentgenovskogo otdeleniya (zav. - prof. V.V. Zodiyev)  
Instituta revmatizma (dir. - deystvitel'nyy chlen ANN SSSR,  
prof. A.I. Nesterov) ANN SSSR.

ZODIYEV, V.V., prof.; SHANINA, V.A., kand. med. nauk

Characteristics of the X-ray pattern of lesions of the heart  
in some collagen diseases. Vop. revm. 3 no.3:41-45 J1-S'63  
(MIRA 17:3)

1. Iz rentgenovskogo otdeleniya (zav. - prof. V.V. Zodiyev)  
Nauchno-issledovatel'skogo instituta revmatizma (direktor-  
deystvitel'nyy chlen AMN SSSR prof. A.I. Nesterov) AMN SSSR.

ZODIYEV, V.V.; SHANINA, V.A.

X-ray diagnosis of disorders of the heart in rheumatic fever. Terap. arkh. 35 no.2:82-85'63. (MIRA 16:10)

1. Iz rentgenologicheskogo otdeleniya (zav. - prof. V.V.Zodiyev) Instituta revmatizma (dir. deystvitel'nyy chlen ANN SSSR prof. A.I.Nesterov) ANN SSSR.  
(RHEUMATIC HEART DISEASES) (HEART -- RADIOGRAPHY)

ZODIYEVA, Z. A.

ZODIEVA, Z. A., VIKTURINA, V. P.

Qualitative results of roentgenological service. Soviet zhivovodstve.  
No. 5, Sept.-Oct. 50. p. 20-4

1. Of the Department of Public Health Organization, Central  
Institute for the Advanced Training of Physicians and of the  
Central Scientific-Research Institute of Roentgenology and Radiology  
imani V. M. Molotov.

GLML 20, 3, March 1951

ZODIYEV, Z. A.

33424. Aspirantura Na kafedra kh Organizatsii Zdravookhraneniya. Sov. Zdravookhraneniye, 1939, No. 5, c. 51-55.

So. Ietopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

ZODROW, Karol; ZODROW, Halina

Studies on the effect of 5,6-dimethylbenzimidazole on the biosynthesis of corrinoids by propionibacteria. Acta microbiol. polon. 12 no.1: 61-68 '63.

1. From the Department of Agricultural Microbiology of the Academy of Agriculture and from the Department of Food Chemistry of the Medical Academy, Poznan, Poland.

(PROPIONIBACTERIUM)

(IMIDAZOLES)

(VITAMIN B 12)

ZODROW, Karol; STEFANIAK, Ojcumila; CHELKOWSKI, Jerzy; MALINSKA, Emilia

Isolation of corrinoids from soil. Acta microbiol. pol. 11 no.4:  
341-347 '62.

1. From the Department of Agricultural Microbiology, Agricultural  
College in Poznan.

(SOIL MICROBIOLOGY)

(VITAMIN B 12)

~~ZODROW, Karol~~; SZCZESNY, Alfred

The use of valve relays and transistor relays in the thermoregulating systems of laboratory incubators. Acta microbiol. pol. 11 no.4:393-398 '62.

1. Z Katedry Mikrobiologii Rolnej Wyzszej Szkoły Rolniczej w Poznaniu.  
(TEMPERATURE) (THERMOMETERS) (LABORATORIES)



"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065320016-6

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065320016-6"

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065320016-6

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R002065320016-6"

ZODROW, Karol; STEFANIAK, Ojcumilla; CHELKOWSKI, Jerzy;  
SZCZEPSKA, Katarzyna

Influence of Ca-pantothenate and biotin on the growth and  
biosynthesis of corrinoids by Propionibacteria. Acta microbiol.  
pol. 12 no.4:263-266 '63.

1. From the Department of Agricultural Microbiology, College  
of Agriculture, Poznan.

(PANTOTHENIC ACID) (BIOTIN) (CULTURE MEDIA)  
(PROPIONIBACTERIUM)

ZODROW, Karol; CHELKOWSKI, Jerzy; STEFANIAK, Ojcumila; CZARNECKA, Danuta

The effect of different casein hydrolysates on the growth and biosynthesis of corrinoids by Propionibacteria. Acta microbiol. pol. 12 no.4:259-262 '63.

1. From the Department of Agricultural Microbiology, College of Agriculture, Poznan.

(CASEIN) (PROTEIN HYDROLYSATES)  
(CULTURE MEDIA) (PROPIONIBACTERIUM)

ZODROW, Karol; STEFANIAK, Ojcumila

The biosynthesis of factors  $Y_1$  and  $Y_2$  by *Propionibacterium shermanii* and *P. freudenreichii*. *Acta microbiol. pol.* 12 no.4:267-270 '63.

1. From the Department of Agricultural Microbiology, College of Agriculture, Poznan.

(PROPIONIBACTERIUM) (METABOLISM)  
(VITAMIN B 12)

ZODROW, K.  
PAWELKIEWICZ, J.; ZODROW, K.

Precursors in biosynthesis of nucleocyanocobalamine. IV. synthesis of nucleocyanocobalamine by *Corynebacterium diphtheriae*. Acta microb. polon. 6 no.1:9-15 1957.

1. Z Katedry Chemii Ogolnej i Katedry Mikrobiologii Rolnej Wyzszej Szkoły Rolniczej w Poznaniu. Wplynelo dnia 30 kwietnia 1956 r.

(VITAMIN B12, related compounds,  
nucleocyanocobalamine, synthesis by *Corynebacterium diphtheriae* (Pol))

(*CORYNEBACTERIUM DIPHTHERIAE*, metabolism,  
nucleocyanocobalamine synthesis (Pol))

*Zobacz*  
PAWELKIEWICZ, J.; ZODROW, E.

Biosynthesis of cobalamin compounds. II. Mechanism of cobalamin formation in *Corynebacterium diphtheriae*. Acta biochim. polon 4 no.3: 203-210 1957.

1. Z Katedry Biochemii (kierownik: doc. dr J. Pawelkiewicz) i Katedry Mikrobiologii Rolnej (kierownik; doc. dr J. Duda.) Wyższej Szkoły Rolniczej w Poznaniu.

(VITAMIN B12

cobalamins, quantitative determ. & biosynthesis in *Corynebacterium diphtheriae* at various stages of develop. (Pol))

(CORNYNEBACTERIUM DIPHTHERIAE, metab.

cobalamins, quantitative determ. & biosynthesis at various stages of develop. (Pol))